

**SECRET**

20 January 1956

P-158

MEMORANDUM FOR: THE RECORD

SUBJECT: Project Monitor at PRC

1. Time and Place of Meeting: 19 January 1956 at PRC,  
Thornwood, New York

2. Attendance:



PRC  
PRC  
APD  
APD

50X1

3. Purpose: To finish off the Minox Stand Project (P-158)  
and to discuss proposal for Camera, Remote Control, Electrical,  
(P-94A)

4. Discussion:

a. Minox Copy Stand

(1) The additional 30 Minox stands to be delivered under the contract were turned over to the undersigned along with a complete set of drawings to specifications, with five copies. It was indicated that a set of instruction manuals are being reproduced and a total of one hundred (2 each) will be sent in about a week.

b. Camera, Remote Control, Electrical

(1) The proposal submitted by PRC to the undersigned was reviewed in detail. It was determined in the discussion that the battery pack described would consist of 10 mercury cells each, of which was equivalent in size to a penlight cell. The total battery package would be equivalent in volume to between 2 and 3 standard D sized flashlight cells. It was indicated that the camera shutter release buttons tested required upwards of one pound force for actuation. In that a cable release is an inefficient device, it is felt by the undersigned that a solenoid capable of delivering in excess of one pound is required. The proposal indicated 2 possible solenoids and the undersigned recommended the use of the more powerful of the two.

(2) The possibility of the

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(2) The possibility of the use of a miniature motor and appropriate gearing to enable the use of a single flashlight cell was discussed. It was felt that although a motor is more efficient than a solenoid, the required 50 actuations could still not be obtained from a single D sized cell. In addition, the advantage of simplicity inherent in a solenoid largely outweighs the motor and gear train possibilities. It was felt that 6 volt operation would be convenient in that 6 volt batteries are readily obtainable even if the specific mercury cells designated were not available.

(3) The undersigned outlined the requirements of the project explicitly as follows:

(a) One solenoid with facility for attaching a standard cable release and provision for adjustment of the throw.

(b) One battery case for ten RM-12 mercury cells.

(c) One push-button.

(d) Each unit should be provided with connectors which will allow direct plugging together. In addition to electrical connections, some mechanical connectors should be provided to allow physical mounting of the units together.

(e) One 50 foot cord with connectors which could be placed between any two units.

(f) One 1 foot cord similar to above.

(g) One each male and female connector with 2 foot cord and alligator clips.

The units should be designed to allow the maximum flexibility possible. The cords with alligator clips would be used in the event that no mercury cells that would fit in the case are available and a substitute battery must be used. In addition, the cords with alligator clips would be used when some other means of actuating the device than the push-button would be used. Each unit should be as small and compact as possible.

5. Actions:

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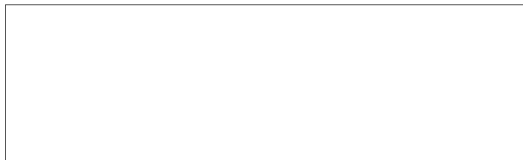
*check ref. to  
radio switch*

5. Actions:

a. PRC will ship the instruction manuals for the Minox stands around 25 January 1956.

b. PRC will compile a proposal based on the above requirement and review it with the undersigned on his next visit.

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TSS/APD

Distribution:

- Orig. - P-158
- 1 - P-94A
- 1 - Chrono
- 2 - RPM

TSS/APD/RPM/bb (20 Jan 56)

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